

# PROFICIENCY EXAMINATION FOR BOOM SUPPORTED AERIAL PLATFORM OPERATORS

(Reference CFR 29 Part 1910.67, 1926.453, ANSI A92.5)

National Aeronautics and  
Space Administration



Name:	Organization:	Location:	
Aerial Work Platform Nomenclature:			
Performance Item	Satisfactory	Unsatisfactory	Date Observed
Performed Pre-Start Inspection (MSFC Form 4329)	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Aerial Work Platform Safety Rules Verification</b>	<input type="checkbox"/>	<input type="checkbox"/>	
Full body harness	<input type="checkbox"/>	<input type="checkbox"/>	
Proper length lanyard (6 feet maximum)	<input type="checkbox"/>	<input type="checkbox"/>	
Lanyard properly secured	<input type="checkbox"/>	<input type="checkbox"/>	
Hard hats shall be worn	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate floor support (Exceeds machine weight and load)	<input type="checkbox"/>	<input type="checkbox"/>	
Barricade/Rope off area around equipment	<input type="checkbox"/>	<input type="checkbox"/>	
In case of engine power failure, understands AUXILIARY POWER CONTROLS and MANUAL descent operations	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Perform GROUND Control Check Out</b>			
Position MASTER POWER switch to ON	<input type="checkbox"/>	<input type="checkbox"/>	
Select GROUND CONTROL switches and start engine	<input type="checkbox"/>	<input type="checkbox"/>	
Test EMERGENCY STOP (No ground control functions when depressed) PULL OUT to resume check-out	<input type="checkbox"/>	<input type="checkbox"/>	
Position LIFT control switch to UP until boom rises 3 feet. With the boom raised, Test platform LEVEL by positioning the LEVEL control switch to UP until platform rises 6 inches. REVERSE steps to lower platform. Test the platform ROTATE by positioning the ROTATE control switch to LEFT and moving the platform 6 inches. REVERSE steps to move to the RIGHT. Test boom EXTENSION/RETRACTION by positioning the TELESCOPE switch to OUT until boom extends 1 foot. REVERSE steps to retract boom. To test TURNTABLE SWING, move the SWING control switch to the LEFT until boom has moved 3 feet. REVERSE the steps to move boom to the RIGHT. Lower boom by positioning the LIFT Control switch to DOWN until boom is lowered to the stowed position.	<input type="checkbox"/>	<input type="checkbox"/>	
Manually test TILT Sensor (Push sensor to one side until alarm sounds, if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Perform PLATFORM Control Check Out</b>			
Select PLATFORM CONTROL switches	<input type="checkbox"/>	<input type="checkbox"/>	
Test FOOT SWITCH (Engage FOOT SWITCH and raise boom slowly, release FOOT SWITCH and boom motion should stop)	<input type="checkbox"/>	<input type="checkbox"/>	
Test EMERGENCY STOP (No platform control function when depressed) PULL OUT to resume check-out	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Depress FOOT SWITCH and perform the following:</b> Position LIFT control switch to UP until boom raises 3 feet. With the Boom raised, Test platform LEVEL by positioning the LEVEL control switch to UP until platform rises 6 inches. REVERSE steps to lower platform. Test the platform ROTATE by positioning the ROTATE control switch to LEFT and move the platform 6 inches. REVERSE steps to move to the RIGHT. Test boom EXTENSION/RETRACTION by positioning the TELESCOPE switch to OUT until boom extends 1 foot. REVERSE steps to retract boom. To test TURNTABLE SWING, move the SWING control switch to the LEFT until boom has moved 3 feet. REVERSE the steps to move boom to the RIGHT. With the boom still raised, test the DRIVE and ENGINE speed control and the DRIVE and STEER control by positioning the DRIVE and ENGINE control to HIGH. Position the DRIVE control to FORWARD and the STEER control to the LEFT and move 6 feet. Lower boom by positioning the LIFT control switch to DOWN until boom is lowered to the stowed position.	<input type="checkbox"/>	<input type="checkbox"/>	

Performance Item	Satisfactory	Unsatisfactory	Date Observed
<b>Perform OUTRIGGERS/STABILIZERS Control Check Out</b> (If applicable)			
Position O/R SWITCH to O/R position	<input type="checkbox"/>	<input type="checkbox"/>	
Actuate RIGHT SIDE BEAM control	<input type="checkbox"/>	<input type="checkbox"/>	
Actuate LEFT SIDE BEAM control	<input type="checkbox"/>	<input type="checkbox"/>	
Actuate JACK LEVER controls	<input type="checkbox"/>	<input type="checkbox"/>	
Position O/R switch DOWN (Once machine is level)	<input type="checkbox"/>	<input type="checkbox"/>	
To retract OUTRIGGERS/STABILIZERS, position O/R SWITCH to the UP position and perform previous steps	<input type="checkbox"/>		
<b>OPERATIONAL Test (Platform Position) Lifting Operations</b>			
Raises/lowers BOOM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Extends/retracts BOOM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Rotates PLATFORM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Levels PLATFORM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Rotates TURNTABLE smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Maneuvers in ELEVATED Position</b>			
Low speed selected	<input type="checkbox"/>	<input type="checkbox"/>	
Rotates TURNTABLE smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Rotates PLATFORM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Levels PLATFORM smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
<b>TRAVEL Operations</b>			
OUTRIGGERS/STABILIZERS stowed prior to travel	<input type="checkbox"/>	<input type="checkbox"/>	
LOW SPEED DRIVE selected	<input type="checkbox"/>	<input type="checkbox"/>	
BOOM positioned in line with direction of TRAVEL	<input type="checkbox"/>	<input type="checkbox"/>	
TURNTABLE secured prior to travel	<input type="checkbox"/>	<input type="checkbox"/>	
BOOM raised enough to see over TURNTABLE	<input type="checkbox"/>	<input type="checkbox"/>	
STARTS and STOPS smoothly	<input type="checkbox"/>	<input type="checkbox"/>	
Maneuvers TURNS properly	<input type="checkbox"/>	<input type="checkbox"/>	
<b>SHUTDOWN and PARK Operation</b>			
Boom fully RETRACTED and STOWED over REAR axle	<input type="checkbox"/>	<input type="checkbox"/>	
Operates ENGINE at LOW SPEED 3-5 Minutes prior to shutdown (to COOL engine down)	<input type="checkbox"/>	<input type="checkbox"/>	
Turn off IGNITION and remove MASTER KEY	<input type="checkbox"/>	<input type="checkbox"/>	
Comments and Observations			
EXAMINER This candidate has passed the Proficiency Examination for Boom Supported Aerial Platform identified above if all steps are checked by the testing examiner.		DATE	